

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat Vanilloid R1/TRPV1 in immunohistochemistry.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	KLH-coupled rat Vanilloid R1/TRPV1 synthetic peptide RASLDSEESPPQENSC Accession # O35433
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

VR1, also known as TRPV1 (Transient Receptor Potential Vanilloid 1) and capsaicin receptor, is a 115 kDa integral membrane ion channel that has six transmembrane domains and contains intracellular N-and C-termini. It contributes to normal pain and temperature sensation and also has a "sensory-effector" function. By alternative splicing, at least three VR1 isoforms are known. The sequence of residues 4-21 of rat VR1 is 78% and 28% identical to that of mouse and human VR1, respectively.

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